

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

Claims 1-18 (canceled)

19. (currently amended) An unmanned mobile vehicle ~~for~~ movable within a stable for measuring meteorological conditions within the stable, comprising:

a vehicle body; ~~and~~

at least two sensors positioned on said vehicle body and selected from a group consisting of a temperature sensor, an air velocity sensor, a gas sensor, an ammonia sensor, a light sensor, an air pressure sensor, and an air humidity sensor; ~~and~~

further comprising a carrier positioned on the vehicle body and wherein the two sensors are disposed on said carrier and at least one of said two sensors is adjustable in height relative to the vehicle body.

20. (previously presented) A vehicle in accordance with Claim 19, wherein said one of said sensors is a gas sensor which senses ammonia.

21. (previously presented) A vehicle in accordance with claim 19, wherein said light sensor determines the intensity of light.

22. (previously presented) A vehicle in accordance with Claim 19, wherein one of said sensors is an air pressure sensor.

23. (previously presented) A vehicle in accordance with claim 19, wherein at least one of said sensors is an air humidity sensor.

24. (previously presented) A vehicle in accordance with Claim 19, wherein said two sensors comprise an air pressure sensor and an air humidity sensor.

25. (currently amended) A vehicle in accordance with Claim 19, wherein at least two of said sensors are disposed at different levels on a the carrier, which is positioned on the vehicle body which is part of the vehicle.

26. (canceled).

27. (previously presented) A vehicle in accordance with Claim 19, further comprising a data processing unit for storing data from at least two of said sensors.

28. (previously presented) A vehicle in accordance with Claim 19, further comprising a processing unit for processing data from at least two of said sensors.

29. (previously presented) A vehicle in accordance with Claim 19, further comprising a control unit for controlling data from at least two of said sensors.

30. (previously presented) A vehicle in accordance with Claim 19, further comprising a memory for registering data from at least two of said sensors.

31. (canceled)

32. (previously presented) A vehicle in accordance with Claim 19, further comprising alarm means for providing an alarm signal when the climate in said stable reaches a predetermined uncontrollable state.

33. (previously presented) A vehicle in accordance with Claim 19, comprising a transmitter unit, said transmitter unit transmitting data from at least two of said sensors to a registration unit.

34. (previously presented) A vehicle in accordance with Claim 19, further comprising a transmitter unit that transmits control signals derived from the data of at least two of said sensors to a registration unit.

35. (previously presented) A vehicle in accordance with Claim 19, further comprising a transmitter unit that transmits data from at least two of said sensors to a control unit.

36. (previously presented) A vehicle in accordance with Claim 19, further comprising a transmitter unit that transmits signals derived from data from at least two of said sensors to a control unit.

37. (previously presented) A vehicle in accordance with Claim 19, further comprising navigation means for guiding the vehicle body.

38. (previously presented) A vehicle in accordance with Claim 19, further comprising an animal identification system.

39. (previously presented) A vehicle in accordance with Claim 19, further comprising a camera positioned on the vehicle body.

40. (previously presented) A vehicle in accordance with Claim 19, further comprising a radar positioned on the vehicle body.

41. (canceled)

42. (previously presented) A vehicle in accordance with Claim 19, further comprising a data management system, at least two of said sensors collecting data which are stored in said data management system.

43. (previously presented) A vehicle in accordance with Claim 19, further comprising feed modification means.

44. (previously presented) A vehicle in accordance with Claim 43, wherein said feed modification means modifies the quantity of feed supplied to animals in said stable when the climate in said stable changes.

45. (previously presented) A vehicle in accordance with Claim 43, wherein said feed modification means modifies the composition of feed supplied to animals in said stable when the climate in said stable changes.

46. (previously presented) A vehicle in accordance with Claim 44, wherein said feed modification means increases the quantity of feed which is supplied to animals in said stable when the temperature in said stable falls below approximately 4°C.

47. (previously presented) An unmanned mobile vehicle movable within a stable for measuring meteorological conditions within the stable, comprising:

- a vehicle body;
- a carrier mounted on said vehicle body;
- a temperature sensor, an air velocity sensor, and an air humidity sensor, said sensors mounted on said carrier; and
- means for adjusting a height of at least one of said sensors relative to the vehicle body.

48. (canceled)

49. (canceled)

50. (previously presented) An unmanned mobile vehicle for use in a process of maintaining the health and comfort of animals in a stable and movable along a floor of the stable to measure meteorological conditions within the stable, comprising:

- a vehicle body; and
- two sets of sensors positioned on said vehicle body, each set of said sensors including a temperature sensor and a humidity sensor, one of said sets being mounted on

an elevating means of said vehicle body whereby said one set of sensors is adapted to be elevated to different selected heights in the stable relative to the floor of the stable.

51. (previously presented) An unmanned mobile vehicle in accordance with Claim 50, wherein said one set of sensors further comprises a light intensity sensor and an air pressure sensor.